

RESOLUTION NO. 1569-17-07-25-0431

**RESOLUTION OF THE CITY OF PFLUGERVILLE, TEXAS
APPROVING THE REQUEST FOR ATHLETIC FIELD LIGHTING AT
1849 PARK LOCATED AT 16430 CAMERON ROAD.**

WHEREAS, Subchapter 13.9 of the Unified Development Code (UDC) states that athletic field lighting requires approval by the City Council as approved by Ordinance No. 1203-15-02-24; and

WHEREAS, an application was made for a Site Development Permit in accordance with Subchapter 3 Procedures of Chapter 157 Unified Development Code; and

WHEREAS, the athletic field lighting on the subject property described in Exhibit A will be limited to the following:

1. Lighting shall be installed as shown on the proposed site plan, equipment layout and illumination summary included with the application as shown in Exhibit B.
2. The proposed lighting shall be as provided in the application and subject to the regulations defined in the Unified Development Code (UDC).

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF PFLUGERVILLE, TEXAS:

That the request for athletic field lighting for 1849 Park located at 16430 Cameron Road is hereby approved.

PASSED AND APPROVED this 25th day of July, 2017.

CITY OF PFLUGERVILLE, TEXAS

by: 

Victor Gonzales, Mayor

ATTEST:


KAREN THOMPSON, City Secretary

APPROVED AS TO FORM:


George Hyde, City Attorney

EXHIBIT A

243.70 ACRES OF LAND, MORE OR LESS, OUT OF THE WILLIAM CALDWELL SURVEY NO. 66, ABSTRACT NO. 162 AND THE JOHN LIESSE SURVEY NO. 18, ABSTRACT NO. 406 IN TRAVIS COUNTY, TEXAS, SAID 243.70 ACRE TRACT COMPRISED OF TRACT 1 (211.71 ACRES) AND TRACT 2 (31.99 ACRES).

EXHIBIT B

1849 Park
Pflugerville, TX

Lighting System

Fixture / Fixture Summary						
Fixture ID	Footcandle	Wattage	Beam Spread	Beam Angle	Beam Diameter	Beam Length
F1-F2	80'	20'	10'	10'	10'	10'
F3-F4	80'	20'	10'	10'	10'	10'
F5	80'	20'	10'	10'	10'	10'
F6	80'	20'	10'	10'	10'	10'
F7-F8	80'	20'	10'	10'	10'	10'
F9	80'	20'	10'	10'	10'	10'
F10	80'	20'	10'	10'	10'	10'
F11	80'	20'	10'	10'	10'	10'
F12	80'	20'	10'	10'	10'	10'
F13	80'	20'	10'	10'	10'	10'
F14	80'	20'	10'	10'	10'	10'
F15	80'	20'	10'	10'	10'	10'
F16	80'	20'	10'	10'	10'	10'
F17	80'	20'	10'	10'	10'	10'
F18	80'	20'	10'	10'	10'	10'
F19	80'	20'	10'	10'	10'	10'
F20	80'	20'	10'	10'	10'	10'
F21	80'	20'	10'	10'	10'	10'
F22	80'	20'	10'	10'	10'	10'
F23	80'	20'	10'	10'	10'	10'
F24	80'	20'	10'	10'	10'	10'
F25	80'	20'	10'	10'	10'	10'
F26	80'	20'	10'	10'	10'	10'
F27	80'	20'	10'	10'	10'	10'
F28	80'	20'	10'	10'	10'	10'
F29	80'	20'	10'	10'	10'	10'
F30	80'	20'	10'	10'	10'	10'
F31	80'	20'	10'	10'	10'	10'
F32	80'	20'	10'	10'	10'	10'
F33	80'	20'	10'	10'	10'	10'
F34	80'	20'	10'	10'	10'	10'
F35	80'	20'	10'	10'	10'	10'
F36	80'	20'	10'	10'	10'	10'
F37	80'	20'	10'	10'	10'	10'
F38	80'	20'	10'	10'	10'	10'
F39	80'	20'	10'	10'	10'	10'
F40	80'	20'	10'	10'	10'	10'
F41	80'	20'	10'	10'	10'	10'
F42	80'	20'	10'	10'	10'	10'
F43	80'	20'	10'	10'	10'	10'
F44	80'	20'	10'	10'	10'	10'
F45	80'	20'	10'	10'	10'	10'
F46	80'	20'	10'	10'	10'	10'
F47	80'	20'	10'	10'	10'	10'
F48	80'	20'	10'	10'	10'	10'
F49	80'	20'	10'	10'	10'	10'
F50	80'	20'	10'	10'	10'	10'
F51	80'	20'	10'	10'	10'	10'
F52	80'	20'	10'	10'	10'	10'
F53	80'	20'	10'	10'	10'	10'
F54	80'	20'	10'	10'	10'	10'
F55	80'	20'	10'	10'	10'	10'
F56	80'	20'	10'	10'	10'	10'
F57	80'	20'	10'	10'	10'	10'
F58	80'	20'	10'	10'	10'	10'
F59	80'	20'	10'	10'	10'	10'
F60	80'	20'	10'	10'	10'	10'
F61	80'	20'	10'	10'	10'	10'
F62	80'	20'	10'	10'	10'	10'
F63	80'	20'	10'	10'	10'	10'
F64	80'	20'	10'	10'	10'	10'
F65	80'	20'	10'	10'	10'	10'
F66	80'	20'	10'	10'	10'	10'
F67	80'	20'	10'	10'	10'	10'
F68	80'	20'	10'	10'	10'	10'
F69	80'	20'	10'	10'	10'	10'
F70	80'	20'	10'	10'	10'	10'
F71	80'	20'	10'	10'	10'	10'
F72	80'	20'	10'	10'	10'	10'
F73	80'	20'	10'	10'	10'	10'
F74	80'	20'	10'	10'	10'	10'
F75	80'	20'	10'	10'	10'	10'
F76	80'	20'	10'	10'	10'	10'
F77	80'	20'	10'	10'	10'	10'
F78	80'	20'	10'	10'	10'	10'
F79	80'	20'	10'	10'	10'	10'
F80	80'	20'	10'	10'	10'	10'
F81	80'	20'	10'	10'	10'	10'
F82	80'	20'	10'	10'	10'	10'
F83	80'	20'	10'	10'	10'	10'
F84	80'	20'	10'	10'	10'	10'
F85	80'	20'	10'	10'	10'	10'
F86	80'	20'	10'	10'	10'	10'
F87	80'	20'	10'	10'	10'	10'
F88	80'	20'	10'	10'	10'	10'
F89	80'	20'	10'	10'	10'	10'
F90	80'	20'	10'	10'	10'	10'
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F92	80'	20'	10'	10'	10'	10'
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F94	80'	20'	10'	10'	10'	10'
F95	80'	20'	10'	10'	10'	10'
F96	80'	20'	10'	10'	10'	10'
F97	80'	20'	10'	10'	10'	10'
F98	80'	20'	10'	10'	10'	10'
F99	80'	20'	10'	10'	10'	10'
F100	80'	20'	10'	10'	10'	10'

Group Summary

Group	Description	Avg Load	Max Load	Beam Angle	Beam Diameter	Beam Length
A	Footbal 1	50.0 kW	50.0 kW	10'	10'	10'
B	Footbal 2	50.0 kW	50.0 kW	10'	10'	10'
C	Footbal 3	50.0 kW	50.0 kW	10'	10'	10'
D	Soccer 1-2	10.0 kW	10.0 kW	10'	10'	10'
E	Soccer 3-4	10.0 kW	10.0 kW	10'	10'	10'
F	Soccer 5-6	10.0 kW	10.0 kW	10'	10'	10'

Fixture Type Summary

Fixture Type	Source	Wattage	Lumen	L80	L75	Quantity
TLC-LED-1150	LED 5700K - 75 CRI	1150W	121,000	>51,000	>51,000	900

Light Level Summary

Calculation Grid Summary						
Grid Name	Calculation Units	Avg	Min	Max	Beam Angle	Beam Diameter
Footbal 1	Horizontal	55.9	45	68	10'	10'
Footbal 2	Horizontal	54	43	66	10'	10'
Footbal 3	Horizontal	57.5	46	69	10'	10'
Soccer 1-2	Horizontal	51.5	40	63	10'	10'
Soccer 3-4	Horizontal	50.5	40	62	10'	10'
Soccer 5-6	Horizontal	51.3	40	63	10'	10'

From Hometown to Professional



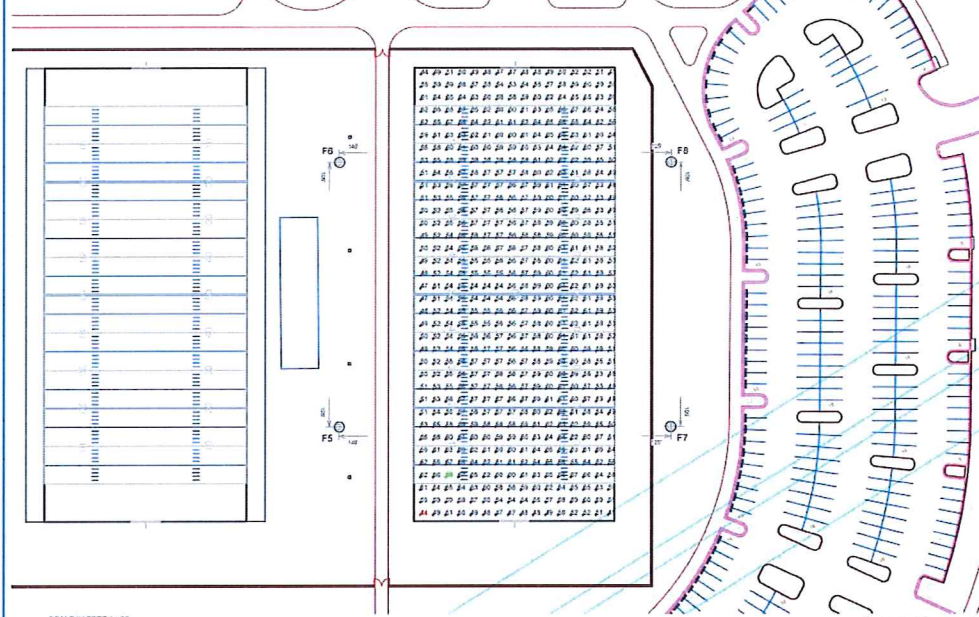
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PROJECT SUMMARY

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EQUIPMENT LIST FOR AREAS SHOWN									
NO.	LOCATION	SIZE	HEIGHT	WATTAGE	WATTAGE	WATTAGE	WATTAGE	WATTAGE	WATTAGE
1	FS	8'0"	10'	100	100	100	100	100	100
2	FS	8'0"	10'	100	100	100	100	100	100
3	FS	8'0"	10'	100	100	100	100	100	100
4	FS	8'0"	10'	100	100	100	100	100	100
TOTALS									
				400	400	400	400	400	400

* This structure utilizes a back to back mounting configuration



SCALE 1"=60'
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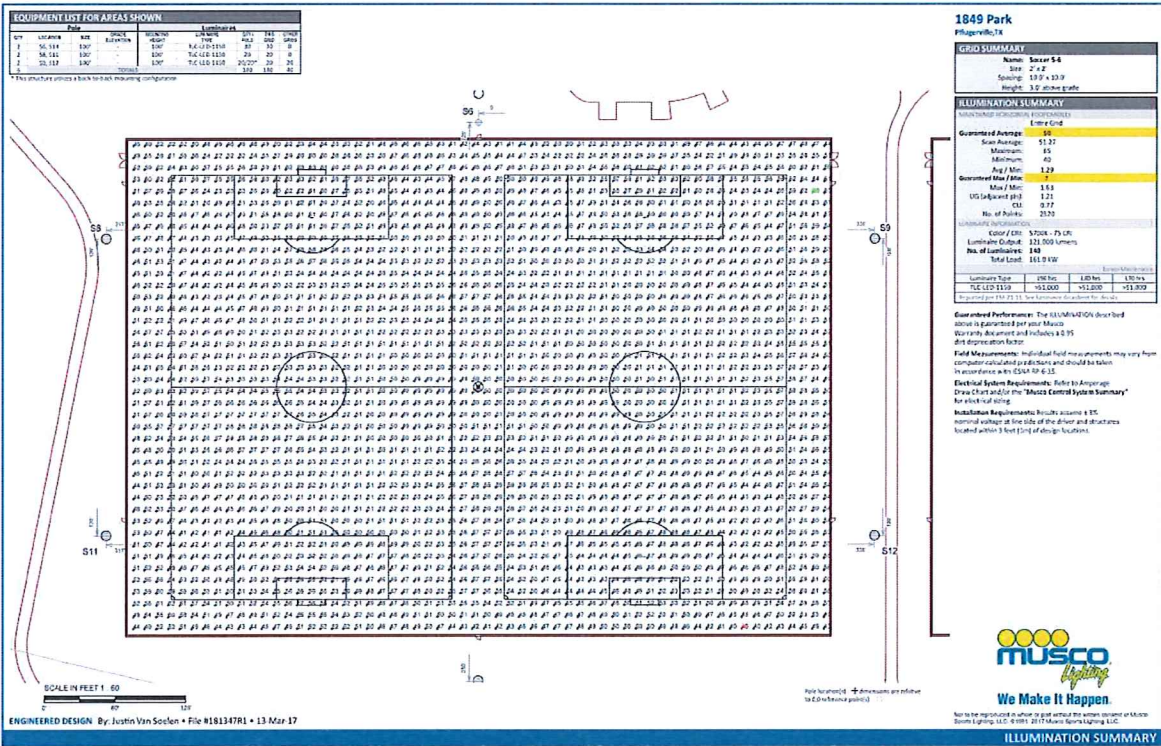
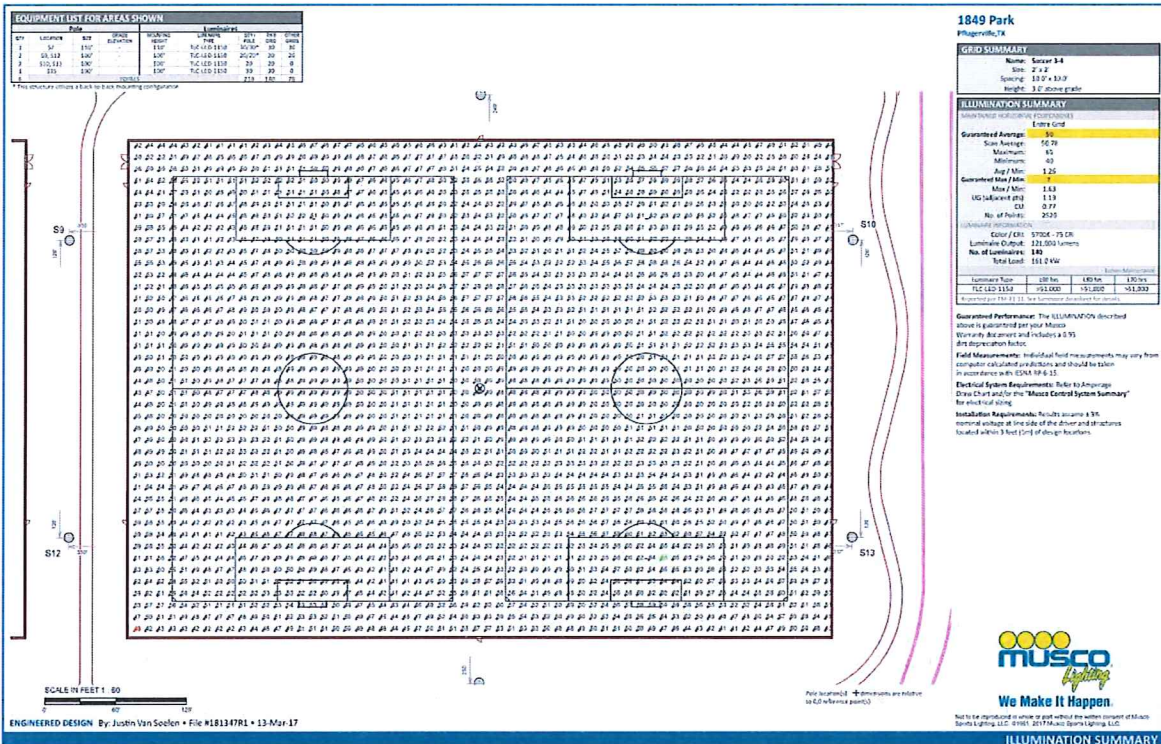
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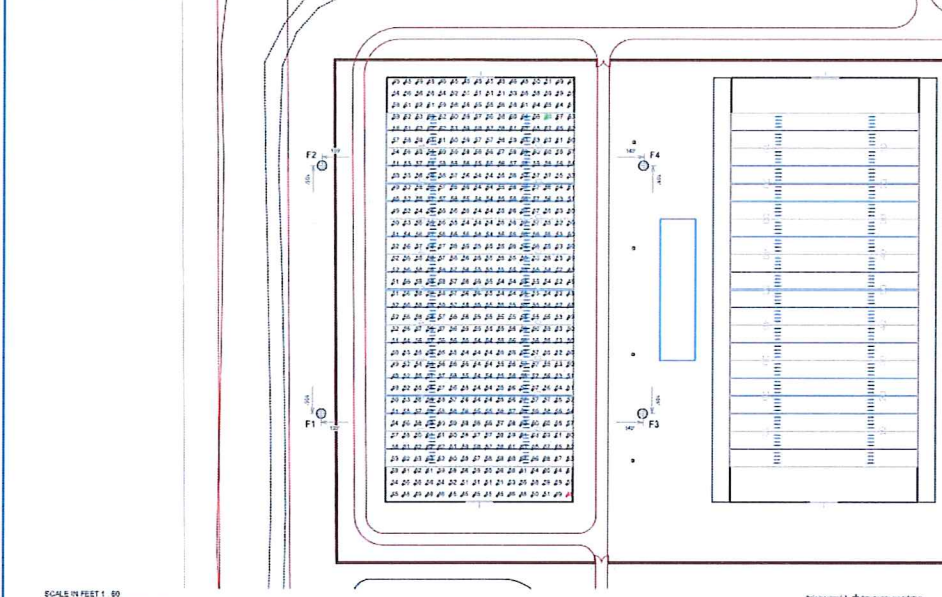
1849 Park

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EQUIPMENT LIST FOR AREAS SHOWN									
Area	Location	Size	Depth	Height	Power	Watts	Volts	Phase	Notes
1	1512	80'	22"	12'	120V	1200	120V	1	
2	1514	80'	22"	12'	120V	1200	120V	1	
3	1516	80'	22"	12'	120V	1200	120V	1	
4	1518	80'	22"	12'	120V	1200	120V	1	
5	1520	80'	22"	12'	120V	1200	120V	1	
6	1522	80'	22"	12'	120V	1200	120V	1	
7	1524	80'	22"	12'	120V	1200	120V	1	
8	1526	80'	22"	12'	120V	1200	120V	1	
9	1528	80'	22"	12'	120V	1200	120V	1	
10	1530	80'	22"	12'	120V	1200	120V	1	

This structure shows a back-to-back mounting configuration.



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1849 Park Pflugerville, TX

GRID SUMMARY	
Name:	Footfall 1
Size:	80' x 120'
Sealing:	12' x 12' x 12'
Height:	12' above grade
ILLUMINATION SUMMARY	
Guaranteed Average: 1.0	
Scale Average:	55.85
Maximum:	68
Minimum:	45
Avg. Min:	1.25
Guaranteed Max/Min:	1.50
Max/Min:	1.50
UG Illuminance (ft²):	1.24
UG Illuminance (ft²):	0.81
No. of Fixtures:	576
LUMINAIRE INFORMATION	
Color (CCT):	5000K - 75 CRI
Luminaire Output:	121,000 Lumens
No. of Luminaires:	62
Total Load:	59.8 W
LUMINAIRE SPECIFICATIONS	
Luminaire Size:	120 W
UG Illuminance (ft²):	1.24
UG Illuminance (ft²):	0.81
UG Illuminance (ft²):	0.81

Guaranteed Performance: The ILLUMINATION described above is guaranteed per our Musco Warranty document and includes a 5-yr. 0% depreciation factor.

Field Measurements: Individual field measurements may vary from computer calculated predictions and should be taken in accordance with IESNA 90-15.

Electrical System Requirements: Refer to Appendix 1 for electrical wiring.

Installation Requirements: Results assume a 90% nominal output at the end of the design life and are located within 3 feet (1m) of design locations.

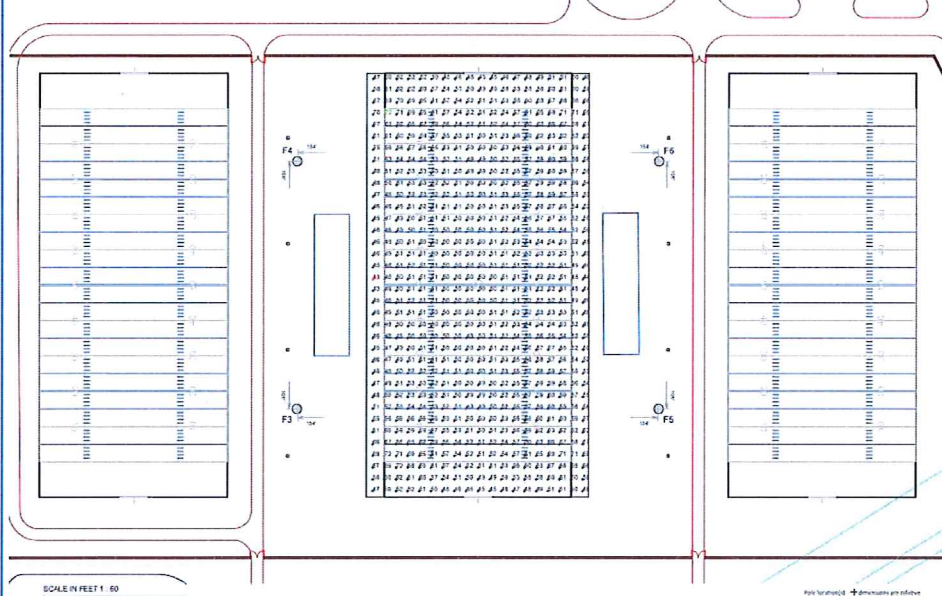


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8	1526	80'	22"	12'	120V	1200	120V	1	
9	1528	80'	22"	12'	120V	1200	120V	1	
10	1530	80'	22"	12'	120V	1200	120V	1	

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UG Illuminance (ft²):	1.24
UG Illuminance (ft²):	0.81
No. of Fixtures:	576
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